SPECS: SHELTER BUILDING / LOT TERMINATE

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ASE AT&T SWITCHED ETHERNET SERVICE

AT&T GENERAL CUSTOMER-PROVIDED REQUIREMENTS FOR ETHERNET SERVICES IN OUTSIDE PLANT CABINETS

Following is information and a list of general requirements associated with AT&T's installation of ethernet service in outside plant cabinets. An AT&T Building Industry Consulting Service (BICS) or Outside Plant Engineer representative will identify actual requirements for the specific installation during a site meeting with the end user (and property owner, if applicable). Throughout this document BICS will be used to identify the AT&T Building Industry Consulting Service (BICS) or Outside Plant Engineer representative depending on region.

1. AT&T must receive approval, at no cost, from the end user and/or property owner for the placement of new cable and equipment, if required, into and within the property/cell site. Formal easements may be required in some cases. At the end user's location, the AT&T equipment may require placement of a HVAC and/or GR487 outside plant cabinet.

2. The end user and/or property owner must provide suitable pathways (e.g., conduit with pull string) from the property line to the Metro Ethernet equipment location. If the property owner and end user are not the same entity, the end user must obtain the owner's concurrence that such pathways will be provided as specified by AT&T's BICS representative.

3. Following are options for end user-provided electrical power for ethernet electronics:

- For HVAC AC GR487 cabinets, provide 20A, 110VAC power cable with 6' slack cable coiled at AT&T cabinet location with 20A breaker at the power source end.
- For AC GR487 cabinets, provide 15A, 110VAC power cable with 6' slack cable coiled at AT&T cabinet location with 15A breaker at the power source end.
- For DC GR487 cabinets delivering Ethernet over Copper (EoCu), the end user must provide power lead with 6' of slack wire coiled at the equipment location. Wire shall be stranded copper, of appropriate gauge conductors with circuit(s) fused at 15A. AT&T DC cabinet does not accept redundant DC power sources.
- Additional Notes:
    - Power consumption is approximately 6A for EoCU and 10A for HVAC cabinet.
    - AT&T does not provide battery backup. The end user may wish to consider providing UPS and/or generator backup. This should be discussed with AT&T's BICS representative.
    - Access to the property's/cell site's grounding electrode system is necessary.
    - The power cable should be provided in metallic conduit that is bonded and grounded at both ends. The power cable should not be energized until the AT&T technician completes connection to the AT&T cabinet.

4. For cabinets at a cell site, the ethernet service will demarc inside the cabinet. The main cabinet door will provide end user access to terminate optically on the fiber demarc panel (Canoga Perkins & Hatteras equipment have multimode customer handoffs available; Adtran and Cisco equipment have multimode and single mode customer handoffs available). The end user will place conduit and pull outside plant fiber through conduit from their equipment to the AT&T cabinet. For AT&T cabinets within 3 feet of customer equipment and electrical handoff is an option.

5. The end user/property owner will provide 24 hour/365 days per year access to AT&T equipment & facilities for the purpose of maintenance of facilities.

6. The installation of ethernet service requires close coordination between AT&T, the property owner, end users and the subscribing customer. A critical date schedule must be established immediately with a clear understanding of respective responsibilities. An AT&T BICS representative will document agreed-upon commitments.

Once a decision to order ethernet service has been made, it is critical that the AT&T Account team be provided with the name and telephone number of an end user contact who can meet with a AT&T BICS representative. This person must be willing and able to reach agreement on the timely provisioning of required support structures.

To the extent that support structures will be provided by, or approved by, other parties such as the property owner or contractors, the end user should ensure that these persons are present at the site meeting.